CIVIL TECH LABS

Accredited by NABL as per ISO/ IEC 17025 : 2005

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer,
Vidyaranyapura Sub Division,
BBMP.

13th February 2017

Dear Sir,

Sub: Desilting of Strom Water Drain in ward no.10 (Doddabommasandra) Vidyaranyapura Sub Division.
Testing of cubes – Reg.

As requested the 28th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Reports of the above.

Thanking you,

For Civil Tech Labs,

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Quality Manager

AE

CIVIL TECH LABS

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Vidyaranyapura Sub Division, BBMP.
Name of Work	Desilting of Strom Water Drain in ward no.10 (Doddabommasandra) Vidyaranyapura Sub Division.
Name of Agency	M/s. K. R. I. D. L.
Grade of Concrete	M-15
No. of cubes tested	3
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	ID	Dimension of specimen (mm)	Cross sectional area (mm^2)	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm^2)	Avg Compressive Strength (N/mm^2)
1	Sample-1	150.12 X 150.14 X 150.0	22539	16/01/2017	13/02/2017	28	8.18	360	**16.00**	**16.00**
2		150.13 X 150.13 X 150.0	22539				8.19	362	**16.09**	
3		150.14 X 150.12 X 150.0	22539				8.20	358	**15.91**	

Note:

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

(KHUSHBOO L)
Quality Manager

CIVIL TECH LABS BANGALORE

Jadhav
AE

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Vidyaranyapura Sub Division, BBMP.
Name of Work	Desilting of Strom Water Drain in ward no.10 (Doddabommasandra) Vidyaranyapura Sub Division.
Name of Agency	M/s. K. R. I. D. L.
Grade of Concrete	M-15
No. of cubes tested	3
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	ID	Dimension of specimen (mm)	Cross sectional area (mm^2)	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm^2)	Avg Compressive Strength (N/mm^2)
1	Sample-2	150.13 X 150.14 X 150.0	22541	16/01/2017	13/02/2017	28	8.16	358	**15.91**	**15.88**
2		150.13 X 150.13 X 150.0	22539				8.17	354	**15.73**	
3		150.14 X 150.12 X 150.0	22539				8.19	360	**16.00**	

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CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Quality Manager

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Vidyaranyapura Sub Division, BBMP.
Name of Work	Desilting of Strom Water Drain in ward no.10 (Doddabommasandra) Vidyaranyapura Sub Division.
Name of Agency	M/s. K. R. I. D. L.
Grade of Concrete	M-15
No. of cubes tested	3
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	ID	Dimension of specimen (mm)	Cross sectional area (mm^2)	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm^2)	Avg Compressive Strength (N/mm^2)
1	Sample-3	150.14 X 150.15 X 150.0	22544	16/01/2017	13/02/2017	28	8.15	360	**16.00**	**16.15**
2		150.13 X 150.12 X 150.0	22538				8.16	364	**16.18**	
3		150.16 X 150.13 X 150.0	22544				8.17	366	**16.27**	

Note:

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Jadhav
AE

Khushboo
(KHUSHBOO L.)
Quality Manager

CIVIL TECH LABS BANGALORE

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T-2654

To,

Assistant Executive Engineer,
Vidyaranyapura Sub Division,
BBMP.

05th January 2017

Dear Sir,

Sub: Testing of Materials.

As requested, tests on physical properties were carried out for the Materials supplied by you, for the work of **'Desilting of Strom Water Drain in ward no.10 (Doddabommasandra) Vidyaranyapura Sub Division.'**

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

Khushboo

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Quality Manager

Jadhav
AE

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TEST REPORT

GRADATION TEST ON FINE AGGREGATES

Name & Address of the Customer	AEE, Vidyaranyapura Sub Division, BBMP.
Name of Work	Desilting of Strom Water Drain in ward no.10 (Doddabommasandra) Vidyaranyapura Sub Division.
Name of Agency	M/s. K. R. I. D. L.
Date of Testing	05/01/2017
Specific Gravity	**2.57**
Technical Reference	IS : 2386(Part I)–1963 (Reaffirmed 2011), IS : 2386 (Part III)–1963 (Reaffirmed 2011)

Sample	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)				Grading Zone	Remarks
			ZONE-I	ZONE-II	ZONE-III	ZONE-IV		
River Sand	10	**100**	100	100	100	100	II	Satisfies the requirement
	4.75	**98.4**	90-100	90-100	90-100	95-100		
	2.36	**87.5**	60-95	75-100	85-100	95-100		
	1.18	**74.2**	30-70	55-90	75-100	90-100		
	0.6	**48.5**	15-34	35-59	60-79	80-100		
	0.3	**23.6**	5-20	8-30	12-40	15-50		
	0.15	**7.4**	0-10	0-10	0-10	0-15		

Note:

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4. The results are based on the test conducted on samples supplied by the customer.

Khushboo

(KHUSHBOO L.)
Quality Manager

CIVIL TECH LABS BANGALORE

Radha
AE

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TEST REPORT

TEST ON CEMENT

Name & Address of the Customer	AEE, Vidyaranyapura Sub Division, BBMP.
Name of Work	Desilting of Strom Water Drain in ward no.10 (Doddabommasandra) Vidyaranyapura Sub Division.
Name of the Agency	M/s. K. R. I. D. L.
Date of Testing	05/01/2017

Tests	Test Method As Per IS & Apparatus		Results		Requirements As Per IS 8112:1989	Remarks
	IS Code	Method	Value	Unit		
Initial Setting Time	**IS-4031 (Part-5) 1988**	VICAT	54	min	Not Less Than 30 Minutes	Satisfies Requirement
Final Setting Time	**IS-4031 (Part-5) 1988**	VICAT	488	min	Not More Than 600 Minutes	Satisfies Requirement
Soundness	**IS-4031 (Part-3) 1988**	LE-CHATELIER	4	mm	Not More Than 10 mm	Satisfies Requirement

Note:

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4.The results are based on the test conducted on samples supplied by the customer.

Zaeba
AE

Khushboo

(KHUSHBOO L.)
Quality Manager

CIVIL TECH LABS BANGALORE